December 3, 2021

Request for Proposal
Remedial Design & Implementation
ATI Millersburg
1600 Old Salem Road
P.O. Box 460
Albany, OR 97321-0460

ATI Millersburg (ATI) requests a proposal for the services described herein, to be performed at the site referenced above.

Please forward your written proposal (1 electronic copy [PDF]) by January 21st, 2022 to Michael Riley by email at Michael.Riley@ATImetals.com.

Facility Background

As summarized in the following excerpts from Section 1 of GSI Water Solution's Millersburg Operations Remedial Action Progress Summary Year 2020:

ATI Millersburg Operations, formerly known as the Teledyne Wah Chang facility, is an active facility operated by Allegheny Technologies Incorporated (ATI). The facility manufactures zirconium, hafnium, and other nonferrous metals, and is located at 1600 Old Salem Road NE in Millersburg, Oregon (Site).

The Site is approximately 225 acres and is located in the southern portion of Millersburg, Oregon. The Site consists of the Main Plant (which includes the Fabrication and Extraction Areas), the Solids Area, and the Farm Ponds Area. The Willamette River and Interstate 5 lie near the western and eastern boundaries, respectively, of the Main Plant and Solids Area. A number of remediation subareas are located within the Main Plant. In addition, several surface water bodies are adjacent to or transit the Main Plant, including Murder Creek, along the northwest perimeter, and Truax Creek, which runs through the Main Plant and forms the boundary between the Fabrication and Extraction Areas. Truax Creek also runs along the south and west portions of the Solids Area.

The Site was listed on the National Priorities List (NPL) in 1983, and ATI entered into a Consent Order and Agreement in 1997 for remediation of soil, sediment, and groundwater. During the remedial investigation and feasibility study (RI/FS), various constituents of concern (COCs) were identified on the Site, including chlorinated volatile organic compounds (CVOCs), ammonia/ammonium, fluoride, metals, nitrate, and radionuclides (CH2M Hill, 1993).

Acid Sump Area Background

Enhanced in situ bioremediation (EISB) injections were performed in 2009, as described in GSI Water Solution's *Acid Sump Source Area Enhanced In Situ Bioremediation Project and Performance Summary*. Excavation and in situ chemical oxidation were performed in 2016, as described in GSI Water Solution's *Acid Sump Area, Source Area Soil Excavation Construction Report.*

The estimated extent of CVOC source mass in the Acid Sump Area is depicted on Figure 2 from GSI Water Solution's *Source Area Remedial Design Work Plan* (attached hereto).

List of background documents will be provided for download via 'box'

Following is a list of relevant project documents.

1. Geosyntec's *Draft Final Design Investigation and Remedy Selection Report, submitted March 18, 2009*
2. GSI Water Solution's *Acid Sump Source Area Enhanced In Situ Bioremediation Work Plan,* submitted July 1, 2009
3. GSI Water Solution's *Acid Sump Source Area Enhanced In Situ Bioremediation Project and Performance Summary,* submitted September 9, 2011
4. GSI Water Solution's *Acid Sump Area, Source Area Soil Excavation Construction Report,* dated May 5, 2017
5. GSI Water Solution's *Source Area Remedial Design Work Plan,* submitted February 25, 2021
6. GSI Water Solution's *Millersburg Operations Remedial Action Progress Summary Year 2020,* dated March 2021
7. GSI Water Solution's *Acid Sump Area Source Assessment Report,* submitted November 19, 2021

Scope of Work Overview

Design and implement an in-situ remedial effort to address CVOC source mass (i.e., DNAPL) in the Acid Sump Area. Conduct a pre-remedial investigation, if needed, to finalize the remedial design. Note: The pre-remedial investigation may be conducted as part of the remedial implementation field mobilization or as a separate mobilization beforehand. Prepare required workplan(s) and an implementation report, conduct 1 year of performance monitoring, and prepare a one-year status report.

Scope of Work

Please provide a comprehensive proposal to:

Remediate the Acid Sump Area CVOC source mass using an in-situ technology. If an injection technology is proposed, the proposal should specify the proposed injectate, the injection point spacing and installation method, and the injectate volume per injection point. The proposal should explain how the proposed injectate will address the DNAPL and the expected effectiveness of the injection event towards remediating the source mass in a reasonable timeframe, so that the area can be transitioned to MNA. If a non-injection technology is proposed, relevant information should be provided to address the above questions.

During the 2009 injections, significant daylighting of injectate occurred in Murder Creek. The proposal should explain why the proposed injectate and injection approach (including any proposed additional mitigation efforts) will reduce or eliminate daylighting of injectate in Murder Creek.

Prepare workplan(s) for the pre-remedial investigation, if applicable, and the remedial injections. Describe whether you propose to include both of these tasks in one work plan (presumably with a subsequent final injection footprint figure) or two separate work plans.

Conduct performance monitoring and prepare a one-year status report.

Note: All regulatory deliverables are to be provided in draft and final versions.

Content of Proposal

Each task must be descriptive in defining what will be accomplished and how each task will be performed. Time-and-material, not-to-exceed or unit-cost pricing are acceptable. The proposal should also include a standard unit rate sheet.

The proposal shall include Resumes of key personnel who will work on this project and information on their relevant experience. The bidder is encouraged to use this opportunity to describe what special skills, experience, and expertise they maintain that will add value to this specific scope of work. This shall be described within the proposal, as it applies to this site, and not submitted as a statement of qualifications document attachment. The proposal shall also include a comprehensive Rate Schedule and project implementation schedule that defines the project duration. We anticipate work plan submittal in winter 2021-2022 and implementation in spring and/or summer 2022.

Evaluation of Proposal

ATI will evaluate proposals based on multiple criteria, including EPA's analysis of alternatives evaluation criteria. Emphasis will be given to implementability; protectiveness of adjacent water bodies; short- and long-term effectiveness and performance; reduction of volume through treatment; and cost. Sufficient information should be included in the proposal for ATI to evaluate the proposed approach vs. these criteria.

General Conditions

An on-site bid walk can be arranged upon request.

If there are any questions the bidders shall e-mail their question to Michael Riley at Michael.Riley@ATIMetals.com. A response to the question will be prepared and sent to all bidders.

Your detailed proposal shall be submitted by email to Mike Riley in electronic format [PDF].

ATI requires that proof of insurance be provided at the time of contract execution, to demonstrate coverage in the following amounts (in U.S. dollars):

1. Worker's Compensation Insurance or qualification as a self-insurer to satisfy the laws of the State in which the work is being done. Contractor's Worker's Compensation Insurer or Contractor, if self-insured, agrees to waive rights of subrogation against TDY except for claims caused by TDY's sole negligence;

2. Employer's Liability Insurance with limits of not less than $3,000,000 per occurrence;

3. Comprehensive General Liability Insurance for personal injury and property damage, including contractual liability insurance, with combined limits of not less than $5,000,000 per occurrence; and

4. Automobile Liability Insurance for personal injury and property damage, with combined limits of not less than $1,000,000 per occurrence.

5. Prior to commencing any work, and continuing throughout that period ending three [3] years following Final Acceptance, professional liability (errors and omissions) policy with coverage of not less than three Million Dollars ($3,000,000).

6. Pollution Coverage $5,000,000 per incident.

ATI shall be named as an additional insured on consultant's Comprehensive General Liability, Pollution Coverage and Automobile Liability policies.